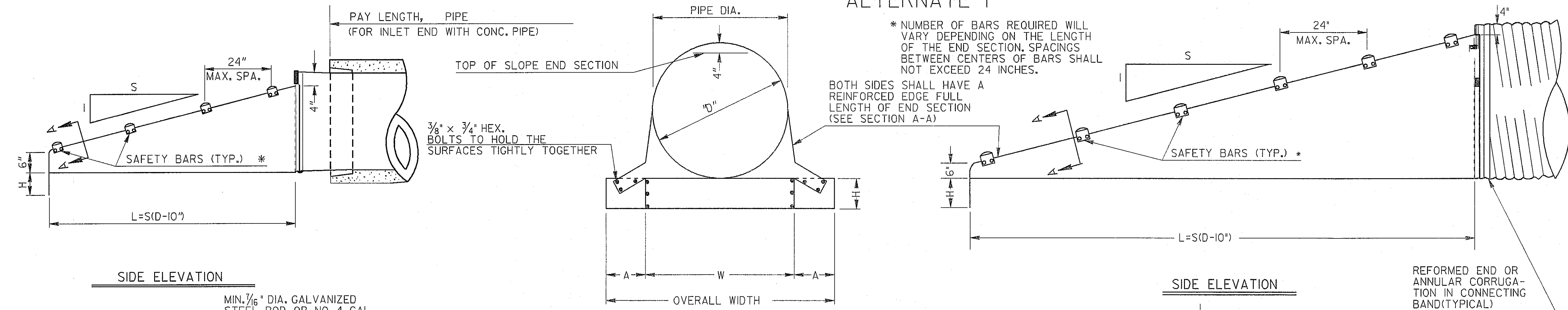


## ALTERNATE 1

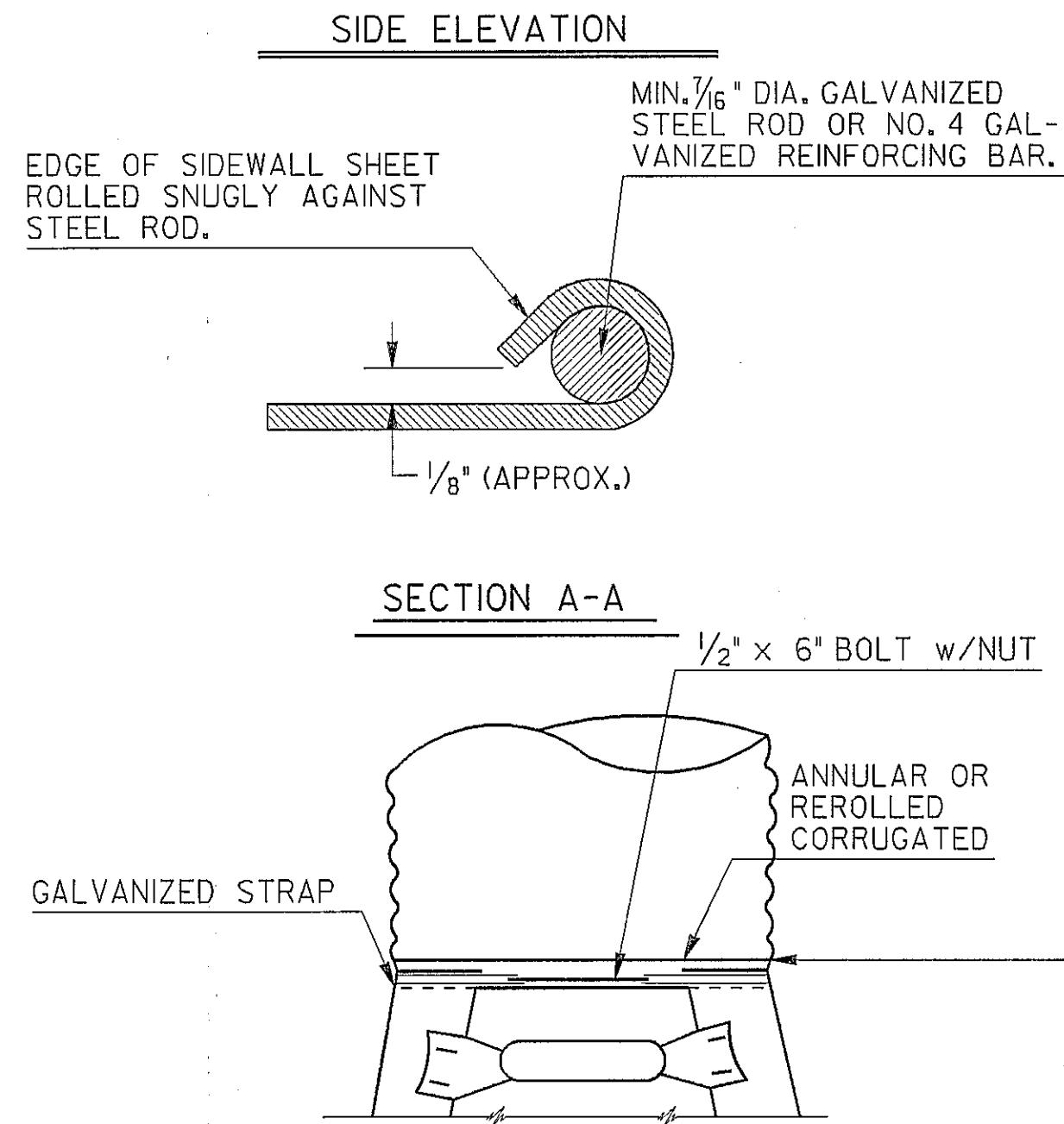
GENERAL NOTES  
ALTERNATE 1

**GALVANIZED STEEL SHEET**  
USE GALVANIZED STEEL SHEET CONFORMING TO AASHTO M 218.

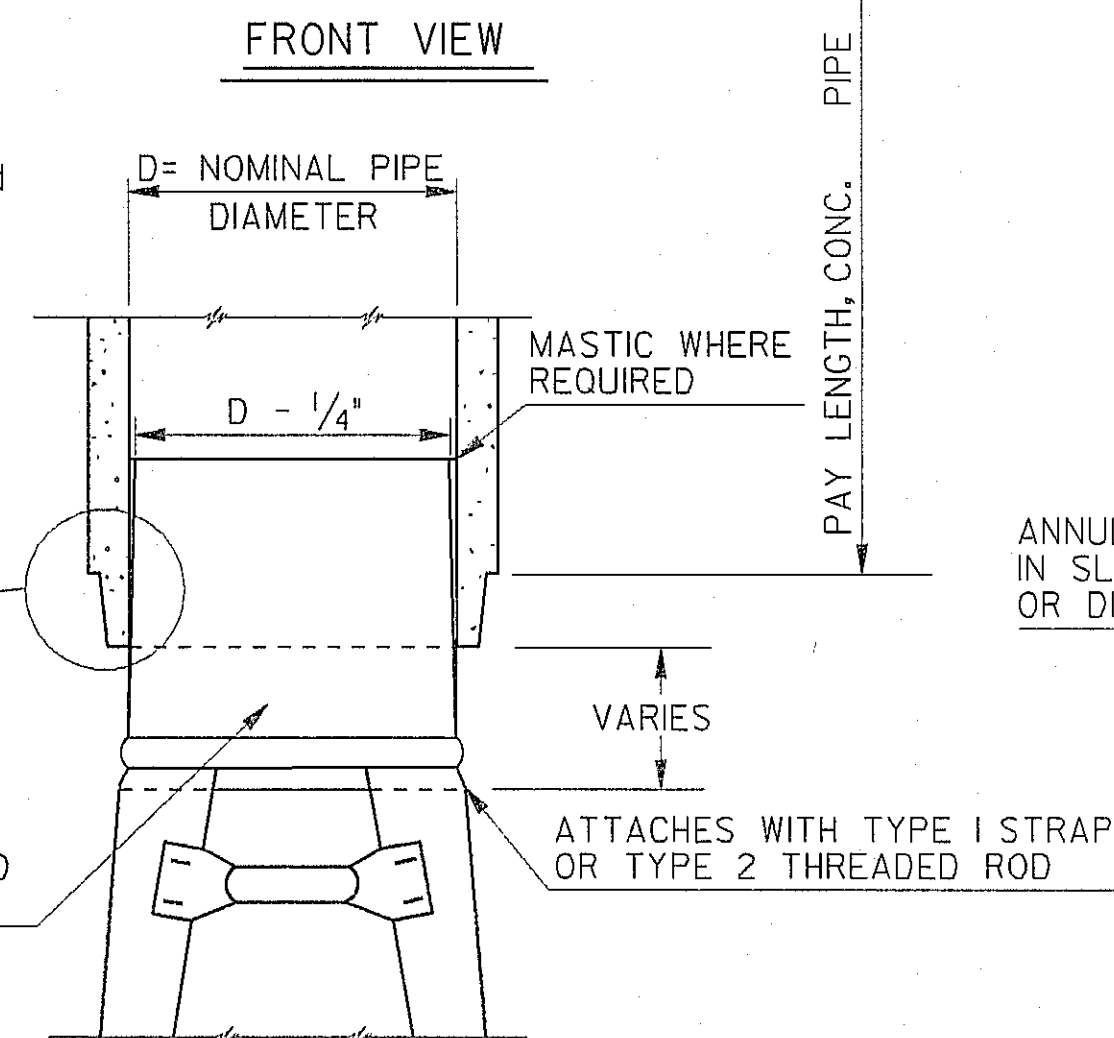
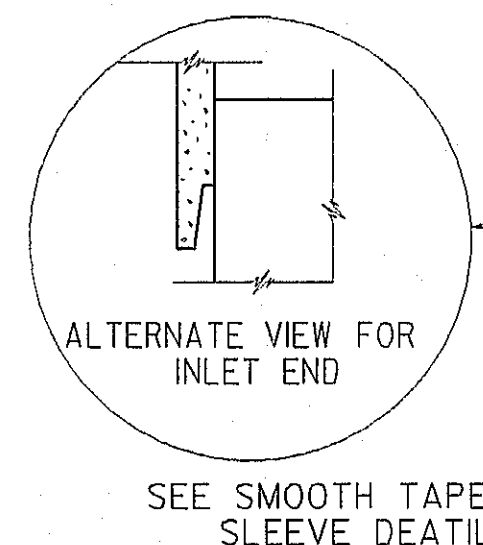
**CONNECTORS**  
PAYMENT FOR END SECTION SHALL INCLUDE CONNECTION OF THE TYPE REQUIRED FOR THE SIDE DRAIN USED.

**SAFETY BARS**  
SHALL BE 3" SCHEDULE 40 GALVANIZED STEEL PIPE. PIPE TO BE GALVANIZED AFTER FORMING. SAFETY BARS SHALL BE REQUIRED FOR ALL SAFETY END SECTIONS.

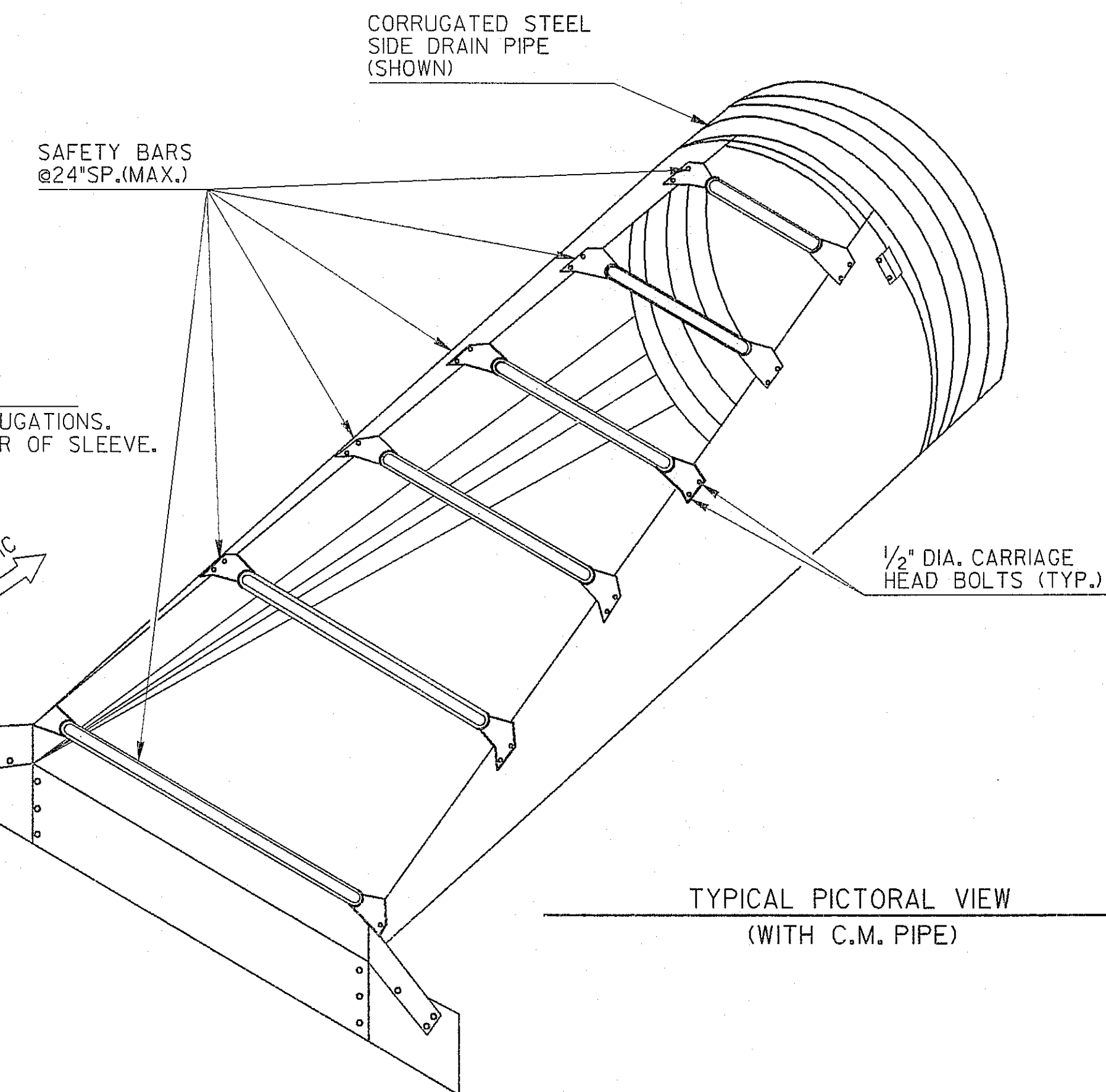
**MISCELLANEOUS DETAILS**  
DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE MANUFACTURER'S REQUIREMENTS, SUBJECT TO APPROVAL BY THE D.O.T.'S LABORATORY. A SAMPLE MUST BE SUBMITTED TO PRE-QUALIFY THE PRODUCT.



NOTE:  
Payment for Safety End Section shall include Tapered Sleeve.



TYPE 3 ALTERNATE CONNECTOR (NOT SHOWN)  
A DIMPLE BAND COLLAR MAY BE SHOP BOLTED TO THE END SECTION

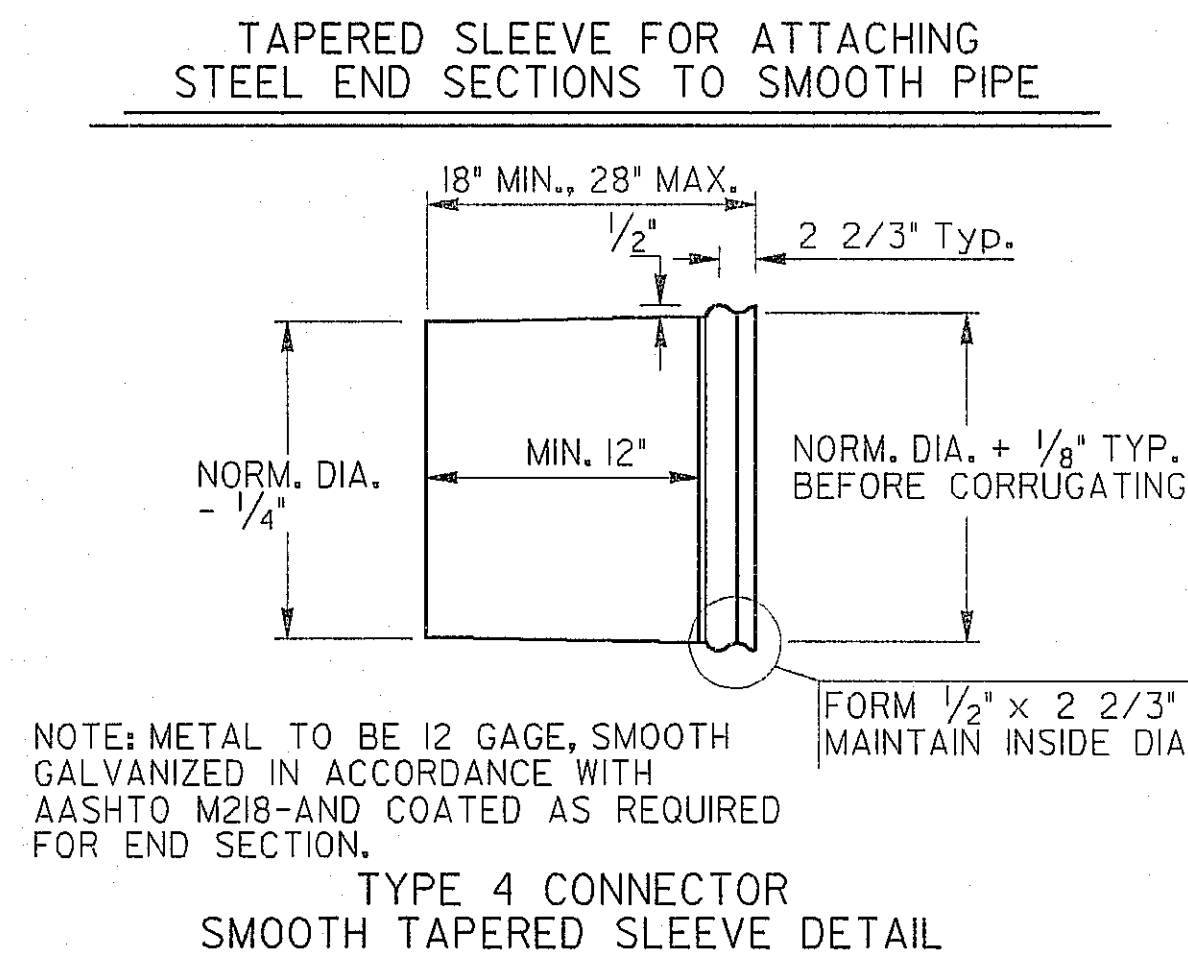
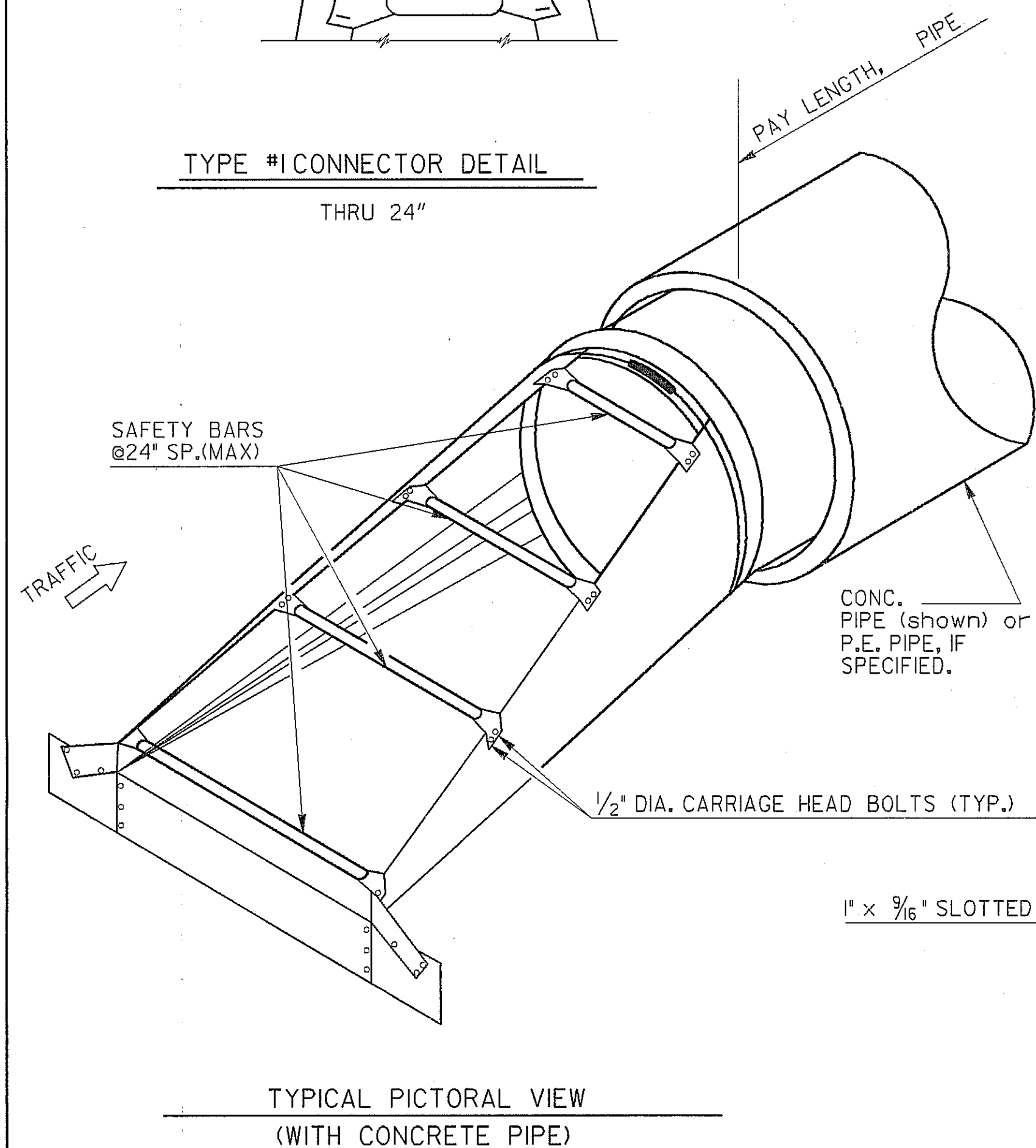
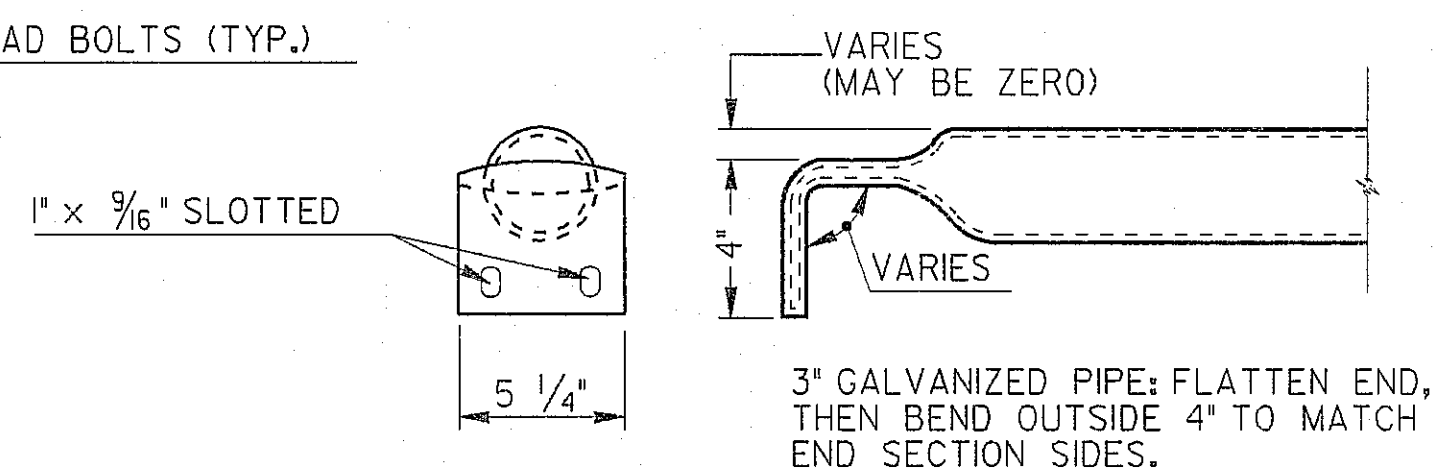


SIZES, DIMENSIONS, AND THICKNESSES										
PIPE DIA. (IN.)	MIN. THICK. IN.	GAGE	DIMENSIONS (INCHES)				SLOPE (S:I)	L DIMENSION		
			A	H	W D+6"	OVERALL WIDTH		LENGTH (IN.)	SLOPE (S:I)	LENGTH (IN.)
15	.064	16	8	6	21	37	4:1	20	6:1	30
18	.064	16	8	6	24	40	4:1	32	6:1	48
24	.064	16	8	6	30	43	4:1	56	6:1	84
30	.109	12	12	9	36	60	4:1	80	6:1	120
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228

\*SEE STD. NO. 903IT FOR SLOPES AT SIDE ROAD OR AT DRIVES.

## SPECIAL NOTE:

WHERE THE LENGTH OF DITCH OR THE DISTANCE BETWEEN TOE POINTS OF END SECTIONS ON SEPARATE INSTALLATIONS WOULD BE LESS THAN 30 FT., CONTINUED S.D. PIPE WITH AN INTERMEDIATE INLET OR OTHER ALTERNATE MAY BE SPECIFIED INSTEAD.

TYPE 4 CONNECTOR  
SMOOTH TAPERED SLEEVE DETAIL

## TYPICAL DETAIL OF SAFETY BARS

DEPARTMENT OF TRANSPORTATION				STATE OF GEORGIA	
STANDARD SAFETY END SECTION (METAL)				(FOR SIDE DRAIN PIPE-OR FOR STORM DRAIN PIPE PARALLEL TO MAINLINE)	
ALTERNATE 1				SEPT., 1993	
NO SCALE				NUMBER 1122	
DESIGNED BY				CHECKED BY	
CONVERTED TO STANDARD				STATE ROAD & AIRPORT DESIGN ENGINEER	
PAY ITEM REVISION				(APPROVED) CHIEF ENGINEER	
GEN. REVISION				SHEET 1 OF 3	
REFER TO STD. 903-T					
REVISION					
DATE					
1-28-05					
12-14-94					
11-18-94					
12-20-93					